

**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☐ Declaration Submitted With Initial Filing      OR      ☒ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	TP1026/WO US
First Named Inventor	Jean-Pel Cherng
COMPLETE IF KNOWN	
Application Number	
Filing Date	
Art Unit	
Examiner Name	

I hereby declare that:

Each inventor's residence, mailing address, and citizenship are as stated below next to their name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

METHOD AND APPARATUS FOR MANIPULATING AND MEASURING SOLIDS

(Title of the Invention)

the specification of which

☐ Is attached hereto

OR

☒ was filed on (MM/DD/YYYY) 04/29/2005 as United States Application Number or PCT International

Application Number 10/533,619 and was amended on (MM/DD/YYYY) 04/29/2005 (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventors or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto.

[Page 1 of 2]

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/01 (04-05)

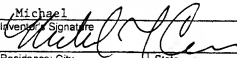
Approved for use through 07/31/2006. OMB 0651-0002  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION — Utility or Design Patent Application

Direct all correspondence to:		<input checked="" type="checkbox"/> The address associated with Customer Number:	27777	OR	<input type="checkbox"/> Correspondence address below
Name					
Address					
City		State		ZIP	
Country		Telephone		Email	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.					
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])		Family Name or Surname			
Jean-Pei		Cherng			
Inventor's Signature				Date	
<i>Jean-Pei Cherng</i>				4-29-05	
Residence: City	State	Country	Citizenship		
Sudbury	MA	USA	US		
Mailing Address					
220 Horse Pond Road					
City	State	Zip	Country		
Sudbury	MA	01776	USA		
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle [if any])		Family Name or Surname			
Michael		Cima			
Inventor's Signature				Date	
Residence: City	State	Country	Citizenship		
Winchester	MA	USA	US		
Mailing Address					
184 Mystic Valley Parkway					
City	State	Zip	Country		
Winchester	MA	01890	USA		
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the 2 supplemental sheet(s) PTO/SB/02A or 02LR attached hereto.					

# DECLARATION — Utility or Design Patent Application

Direct all correspondence to: <input checked="" type="checkbox"/> The address associated with Customer Number: <span style="border: 1px solid black; padding: 2px 20px;">27777</span>		OR <input type="checkbox"/> Correspondence address below	
Name			
Address			
City		State	ZIP
Country	Telephone	Email	
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>			
NAME OF SOLE OR FIRST INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Jean-Pei		Family Name or Surname Cherng	
Inventor's Signature			Date
Residence: City Sudbury	State MA	Country USA	Citizenship US
Mailing Address 220 Horse Pond Road			
City Sudbury	State MA	Zip 01776	Country USA
NAME OF SECOND INVENTOR:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any]) Michael		Family Name or Surname Cima	
Inventor's Signature 			Date Aug 22 2006
Residence: City Winchester	State MA	Country USA	Citizenship US
Mailing Address 184 Mystic Valley Parkway			
City Winchester	State MA	Zip 01890	Country USA
<input checked="" type="checkbox"/> Additional inventors or a legal representative are being named on the <u>2</u> supplemental sheet(s) PTO/SB/02A or 02UR attached hereto.			

[REDACTED]

<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b>	4	8
	Supplemental Sheet	Page	8 of 14

<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Javier		Gonzalez-Zugasti	
Inventor's Signature <i>Javier Gonzalez-Zugasti</i>		Date 4/28/2005	
Residence: City North Billerica	State MA	Country USA	Citizenship AR
Mailing Address <i>143 Angie Road</i>			
City North Billerica	State MA	Zip 01862	Country USA
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Nathan		Kane	
Inventor's Signature		Date	
Residence: City Arlington	State MA	Country USA	Citizenship US
Mailing Address 52 Marathon Street			
City Arlington	State MA	Zip 02474	Country USA
<b>Name of Additional Joint Inventor, if any:</b>		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Anthony		Lemmo	
Inventor's Signature		Date	
Residence: City Sudbury	State MA	Country USA	Citizenship US
Mailing Address 2 Washington Avenue			
City Sudbury	State MA	Zip 01776	Country USA

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-785-9199) and select option 2.

Approved for use through 07/01/2008. OMB 0551-0022  
 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it carries a valid OMB control number.

<b>DECLARATION</b>		<b>ADDITIONAL INVENTOR(S)</b>	
Supplemental Sheet		5	8
		Page	of
Name of Additional Joint Inventor, if any: <input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))		Family Name or Surname	
Javier		Gonzalez-Zugasti	
Inventor's Signature		Date	
Residence, City	State	Country	Citizenship
North Billerica	MA	USA	AR
Mailing Address 145 Angie Road			
City	State	Zip	Country
North Billerica	MA	01862	USA
Name of Additional Joint Inventor, if any: <input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))		Family Name or Surname	
Nathan		Kane	
Inventor's Signature		Date	
<i>Nathan Kane</i>		4/29/05	
Residence, City	State	Country	Citizenship
Arlington	MA	USA	US
Mailing Address 52 Marathon Street			
City	State	Zip	Country
Arlington	MA	02474	USA
Name of Additional Joint Inventor, if any: <input type="checkbox"/> A petition has been filed for this unsigned inventor			
Given Name (first and middle (if any))		Family Name or Surname	
Anthony		Lemmo	
Inventor's Signature		Date	
Sudbury			
Residence, City	State	Country	Citizenship
Sudbury	MA	USA	US
Mailing Address 2 Washington Avenue			
City	State	Zip	Country
Sudbury	MA	01776	USA

This collection of information is required by 35 U.S.C. 115 and 37 C.F.R. 1.63. The information is required to obtain or retain a benefit by the public which it is filed for by the USPTO is provided an application. Confidentiality is provided by 35 U.S.C. 122 and 37 C.F.R. 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1460, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Approved for use through 07/01/2008. OMB 0551-0002  
 U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE  
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

DECLARATION		ADDITIONAL INVENTOR(S)	
		Supplemental Sheet	Page 6 of 8
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Javier		Gonzalez-Zugasti	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
North Billerica	MA	USA	AR
Mailing Address			
145 Angie Road			
City	State	Zip	Country
North Billerica	MA	01862	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Nathan		Kane	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Arlington	MA	USA	US
Mailing Address			
52 Marathon Street			
City	State	Zip	Country
Arlington	MA	02474	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Anthony		Lemmo	
Inventor's Signature		Date	
Sudbury		4/17/05	
Residence: City	State	Country	Citizenship
Sudbury	MA	USA	US
Mailing Address			
2 Washington Avenue - 3 Washington Drive			
City	State	Zip	Country
Sudbury	MA	01776	USA

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to be (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 102 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE

<b>DECLARATION</b>	<b>ADDITIONAL INVENTOR(S)</b> Supplemental Sheet
	Page <u>7</u> of <u>8</u>

Name of Additional Joint Inventor, If any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Christopher		Moore	
Inventor's Signature	Date		11 Aug 2006
Residence: City	State	Country	Citizenship
Cambridge	MA	USA	US
20 Glenwood Avenue			
Mailing Address			
City	State	Zip	Country
Cambridge	MA	02139	USA
Name of Additional Joint Inventor, If any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Alex		Slocum	
Inventor's Signature	Date		
Residence: City	State	Country	Citizenship
Bow	NH	USA	US
1 Merrill Crossing			
Mailing Address			
City	State	Zip	Country
Bow	NH	03304	USA
Name of Additional Joint Inventor, If any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature	Date		
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	Zip	Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

PTO/SB/02A (08-04)

Approved for use through 07/31/2006. OMB 0651-0032  
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet8 8  
Page 4 of 4

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Christopher		Moore	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Cambridge	MA	USA	US
20 Glenwood Avenue			
Mailing Address			
City	State	Zip	Country
Cambridge	MA	02139	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Alex		Slocum	
Inventor's Signature		Date	
Bow		NR	USA
Residence: City	State	Country	Citizenship
1 Merrill Crossing			
Mailing Address			
City	State	Zip	Country
Bow	NR	03304	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle (if any))		Family Name or Surname	
Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
City	State	Zip	Country

This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.62. The information is reviewed in order to publish or withhold the public which is to be (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 21 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the burden of time you require to complete this form and/or suggestions for reducing the burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1460, Alexandria, VA 22313-1460. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460.

If you need assistance in completing the form, call 1-800-PTO-0199 (1-800-786-9199) and select option 2.